

ward Limb the red and yellow. So that now their order from the central Spot was white, yellow, red ; black ; violet, blue, white, yellow, red, &c. contrary to what it was before.

O B S. III.

When the Rings or some parts of them appeared only black and white, they were very distinct and well defined, and the backness seemed as intense as that of the central Spot. Also in the borders of the Rings, where the Colours began to emerge out of the whiteness, they were pretty distinct, which made them visible to a very great Multitude. I have sometimes numbred above thirty Successions (reckoning every black and white Ring for one Succession) and seen more of them, which by reason of their smallness I could not number. But in other Positions of the Prisms, at which the Rings appeared of many Colours, I could not distinguish above eight or nine of them, and the exterior of those were very confused and dilute.

In these two Observations to see the Rings distinct, and without any other Colour than black and white, I found it necessary to hold my Eye at a good distance from them. For by approaching nearer, although in the same inclination of my Eye to the plane of the Rings, there emerged a blueish Colour out of the white, which by dilating it self more and more into the black rendred the Circles less distinct, and left the white a little tinged with red and yellow. I found also by looking through a slit or oblong hole, which was narrower than the Pupil of my Eye, and held close to it

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